Message

From: Craig, Harry [Craig.Harry@epa.gov]
Sent: 7/31/2017 10:19:34 PM
To: Meyer, Linda [Meyer.Linda@epa.gov]; Palumbo, Janice [Palumbo.Jan@epa.gov]
CC: Shuster, Kenneth [Shuster.Kenneth@epa.gov]
Subject: RE: ORCR Project regarding OB/OD site in Oregon

Here is the input for the Umatilla ADA OB/OD unit in red text.

Harry

From: Meyer, Linda
Sent: Monday, July 17, 2017 11:18 AM
To: Craig, Harry <Craig.Harry@epa.gov>; Palumbo, Janice <Palumbo.Jan@epa.gov>
Subject: Fw: ORCR Project regarding OB/OD site in Oregon

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From: Kuziomko, Joseph
Sent: Monday, July 17, 2017 10:17 AM
To: druback.lissa@deq.state.or.us; MOORE.Fredrick@deq.state.or.us
Cc: Shuster, Kenneth; Pena-Molina, Ana; Kohler, Amanda; Meyer, Linda; Valdez, Heather
Subject: ORCR Project regarding OB/OD site in Oregon

I am writing to seek information on the closure status of the Open Burn/Open Detonation (OB/OD) units listed below to assist ORCR in a new project to assess closure of OB/OD units. With this information, EPA will be able to identify, evaluate, and document procedures, techniques, and criteria to assess, clean up, and close OB/OD units/sites in a standardized manner.

EPA has been documenting soil and ground water contamination from OB/OD units and the costs to clean them up. Given the inordinate extent of contamination and costs of clean-up that have been reported, we are now seeking to learn more about the monitoring, clean-up procedures, successes, and costs of these efforts. There is currently no national guidance on procedures to assess, monitor, and clean up OB/OD sites, nor metrics to achieve clean closure of OB/OD units. We are requesting information on the clean closure (CC) of OB/OD sites to assist us.

Please first verify the following codes for your facility in Oregon.

Oregon							
FACILITY_ID	FACILITY_NAME	UNIT_NAME	UNITs	UNIT_DETAIL_SEQ	legal status	operating status	EFFECTIVE_DATE
OR6213820917	US ARMY UMATILLA CHEMICAL DEPOT	OB/OD	4	1	IS	SF	19891031

Questions:

We have a number of questions we hope you can answer regarding your clean closed/closing sites. The operating status of the facilities will determine which sets of questions are to be answered. We understand that some of this data may be difficult to find but we would really appreciate if you could dig it up for us as it will help us move forward with this project and eventually help EPA update OB/OD closing procedures.

Inactive/Closing, but Not Yet RCRA Closed (IN) and Corrective Action and Superfund (CA, SF) Facilities' questions:

1. Are these units seeking to clean close?

   This unit will be closed to a Superfund Industrial Land Use scenario and RCRA Clean Closure.

2. If so, what criteria is being used to attempt clean closure (e.g., EPA action levels)?

   Clearance of UXO/DMM to 3 feet bgs, disposal pits/trenches to maximum depth of waste burial. Soil cleanup levels for explosives and metals are risk based on a future industrial land use by the Oregon National Guard, typically Regional Screening Levels (RSLs).

3. What was the volume of waste disposed, frequency (e.g., daily, weekly, monthly, periodically), and years of operation?

   Volume of waste disposal and frequency is unknown. Waste disposal from post WW II to mid-1990s.

4. Was it OB or OD or both?

   Both.

5. What sampling procedures are being used to identify the extent of the contamination, including kick-out and fallout (e.g., geophysical techniques used to identify buried munitions and fragments; trenching; grid, spokes, meandering way, visual, or random sampling of soil/for kick-out; depth; until no more found; and ground water monitoring)?

   Towed array magnetometer and EM-61 electromagnetic induction used to determine extent of demo pits and kick out areas. Chemical sampling methods for explosives (Method 8330B) and metals (6010C) used to assess chemical contamination in soils from OB and OD.

6. Were components of the unit removed (e.g., any platforms, pans, pads, and liners)?

   Burn pans were removed. Burn pads and demo pits had no liners.

7. What clean-up procedures and techniques are being used to clean up the contaminants (e.g., excavation, soil sifting)?

   Surface clearance of UXO/DMM (1750 acres). Subsurface clearance of 50,000 kick-out anomalies (1395 acres). "Dig and Seive" on geophysically saturated demo pits (355 acres) and burial pits/trenches (34 acres). Solidification/stabilization treatment for mixed explosives and metals was used to treat 30,000 of contaminated soils, which were placed in an on-site Subtitle D landfill after treatment.

8. What data is being recorded and metrics being used to evaluate the extent and levels of contamination?

   Digital Geophysical Mapping (DGM) data for magnetometer and EM-61 above background thresholds. Chemical samples results based on EPA Methods 8330B and 6010C.

9. What is the total cost to date to remediate the site?

   $ 60 million.

We plan to have a contractor gather this information on a select number of sites from the states. The purpose of this current effort is to gather information on the status of cleanup at these sites to help us identify which sites have the best information for our contractor to follow up with. Thus, for this effort, we seek answers to questions 1-4 and the last question in each set, and for the remaining questions we seek whether or not good information exists to answer these questions. We hope to receive this information by **July 31st**. Thank you for taking time to assist us with this project. If you have any questions, please feel free to reach out to us. Any information that you may be able to provide will be helpful in our project.

Sincerely,

Joseph Kuziomko

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